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ANNUAL OPERATIONS AND PROGRESS REPORT

DIVISION OF
OIL, GAS & MINING

From Month/Year January 1985
to Month/Year December 1985

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Interstate Brick Company MINE NAME: Koosharem

ADDRESS: 9780 South 5200 West
West Jordan, UT 84084

PERMIT NUMBER AND DATE OF PERMIT: ACT/031/002 Not yet approved

REPRESENTATIVE: Ronald H. Baldwin

SECTION(S): 2 TOWNSHIP(S): 27 South RANGE(S): 2 West SLBM

MINERAL(S) MINED: Clay

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: Interstate subleases state mineral lease numbers 27110 and 27206 from lease holder

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: U.S. Forest Service road use permit for road 40069 (Box Creek Road)

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

<u>Disturbance</u>	<u>Acreage</u>
Pit	<u>0</u>
Roads	<u>0</u>
Facilities	<u>0</u>
Waste Dumps	<u>0</u>
Other	<u>0</u>

(b) Tabulation of acreage affected to date (by years).

<u>Date by Year</u>	<u>Acreage (Total)</u>
1975 1977	<u>0</u>
1976 1978	<u>0</u>
1977 1979	<u>0</u>
1978 1980	<u>7</u>
1979 1981	<u>7</u>
1980 1982	<u>7</u>
1981 1983	<u>7</u>
1982 1984	<u>7</u>
1983 1985	<u>7</u>

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence) (If more space is needed, please attach.)	<u>Area</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>etc.</u>
Acreage of Area	<u>No mining activities</u> <u>took place in 1985.</u>			
Depth of Topsoil Removal (inches)				
Depth of Topsoil Replacement (inches)*				
Estimate of Topsoil Volume Salvaged (yd ³ or ac ft)				
Volume Actually Salvaged (yd ³ or ac ft)				
Volume Required for Reclamation (yd ³ or ac ft)				
Surplus or Deficit Volume (yd ³ or ac ft)				
Storage Status (short- or long-term)				

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area			
	1	2	3	etc.
Storage Location			4	
Area Where Soil Has Been Used (if not stored)			N/A	
Running Total (all stockpiles) (yd ³ or ac ft)			600 y ³	
Short-term			None	
Long-term			600 y ³	

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
None		

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	None	
(Milled)		

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.

None

2. Roads.

None

3. Diversion ditches, collector ditches, interceptor ditches, etc.

None

4. Culverts.

None

5. Sediment ponds, containment ponds.

None

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).

None

7. Topsoil stockpiles.

None

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.

None

2. Subsidence.

None

3. Accidental water discharge, dam failure, etc.

None

4. Slumping, sliding or erosion.

None

5. Revegetation problem areas.

None

6. Existence and location of unsuitable (toxic) overburden.

None

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area

Acreage

None

2. Topsoiled areas.

Area

Acreage

None

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
None	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
None	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975 1976	? Reclamation done and ac-
1976 1977	? cepted by DOGM on previous
1977 1978	0 Roosharem pit
1978 1979	0
1979 1980	1
1980 1981	1
1981 1982	1
1982 1983	1
1983 1984	1
1984 1985	1

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

No reclamation work done during report period.

2. Type of seed (species) used for seeding during the report period.

N/A

3. Date of seeding during the report period.

Spring N/A

Fall _____

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

N/A

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

N/A

6. Type and rate of fertilizer applied.

N/A

7. Type and rate of mulch applied.

N/A

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

N/A

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

N/A

10. Soil analysis results.

None

(d) Description of results of previous revegetation efforts, including:
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.

Crested wheatgrass, intermediate wheatgrass, bluebunch
wheatgrass, smooth brome.

2. Types (species) of seed that are not growing successfully.

Yellow sweet clover?, Alfalfa?

3. Areas experiencing problems with weeds and weed types.

Area 5 has occurrences of big sage and foxtail barley.

4. Significant erosional problems.

None

5. Areas of unsuitable overburden on the surface as related to
revegetation failure.

None

6. Procedures used or proposed to correct these problems.

None

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
None on pending permit		

8. Results of soil analysis.

None

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading	<u>No mining or reclamation work</u> <u>took place during the report period</u>	
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	<u>23,022</u>	<u>Surety</u>	<u>August 4, 1980</u>

Increased disturbance, if any:

None

Increased Bond Amount (attached reclamation estimate).

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
<u>None</u>		

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
(b) Other special conditions (status).

Deficiencies in the Koosharem permit were outlined in a letter from the Division in July, 1985. These deficiencies will be addressed in 1986 after deficiencies on our other properties with much larger disturbances have been met.